

# FOUR CORE ALUMINUM/ COPPER XLPE ARMoured & UNARMoured CABLE

## PRODUCT DETAILS

Four Core, Aluminum/ Copper Conductor, XLPE Insulated, Un-armoured / Armoured, PVC Outer Sheath Cable conforming to IS 7098 Part-1 with up to date amendment.

- Voltage Rating : 1100 Volts
- Temperature Rating : -40°C to +90°C
- UV Resistance
- RoHS Compliant



## TECHNICAL SPECIFICATIONS

MATERIAL		REF. SPEC
Conductor	Aluminum/ Copper conductor	IS 8130
Insulation	XLPE	IS 7098 Part-1
Insulation Color	Red, Yellow, Blue & Black	IS 7098 Part-1
Inner Sheath	Extruded PVC Type ST-1, Extruded HR PVC Type ST-2	IS 5831
Outer Sheath	Extruded PVC Type ST-1, Extruded HR PVC Type ST-2	IS 5831
Special Properties (on request)	Flame Retardant Flame Retardant Low Smoke Flame Retardant Low Smoke Zero Halogen	

### 4 CORE ALUMINIUM/COPPER XLPE ARMoured AND UNARMoured CABLES IS:7098(P-1)-1988

No. Of Cores & Cross Sectional Area	Minimum Numbers Of Wires		Nominal Thickness of insulation (mm)	Minimum Thickness of Inner Sheath (mm)	ARMoured			UNARMoured		CURRENT RATINGS			
					Nominal Diameter of Armour Wire/Strip (mm)	Minimum Thickness of Outer Sheath (mm)	Overall Diameter (approx) (mm)	Nominal Thickness of Outer Sheath (mm)	Overall Diameter (approx) (mm)	Direct In Ground		In Air	
	Copper	Aluminium								Copper	Aluminium	Copper	Aluminium
4C X 4	1	1	0.70	0.30	1.40	1.24	17.50	1.80	16.00	43	34	36	30
4C X 6	1	1	0.70	0.30	1.40	1.24	18.50	1.80	17.50	54	43	47	50
4C X 10	6	1	0.70	0.30	1.40	1.40	20.50	1.80	18.50	72	57	62	67
4C X 16	6	6	0.70	0.30	4 x 0.8	1.40	20.00	1.80	17.50	92	73	78	70
4C X 25	6	6	0.90	0.30	4 x 0.8	1.40	23.00	2.00	21.00	119	94	110	96
4C X 35	6	6	0.90	0.30	4 x 0.8	1.40	25.00	2.00	23.50	144	113	130	117
4C X 50	6	6	1.00	0.30	4 x 0.8	1.56	28.00	2.00	26.00	174	133	160	142
4C X 70	12	12	1.10	0.40	4 x 0.8	1.56	32.00	2.20	30.50	210	164	198	179
4C X 95	15	15	1.10	0.40	4 x 0.8	1.56	35.00	2.20	33.50	252	196	240	220
4C X 120	18	15	1.20	0.50	4 x 0.8	1.72	39.00	2.40	37.50	288	223	276	255
4C X 150	18	15	1.40	0.50	4 x 0.8	1.88	43.00	2.60	42.00	324	250	318	290
4C X 185	30	30	1.60	0.50	4 x 0.8	2.04	48.00	2.80	46.50	360	282	366	335
4C X 240	34	30	1.70	0.60	4 x 0.8	2.20	54.00	3.00	52.50	414	327	426	399
4C X 300	34	30	1.80	0.70	4 x 0.8	2.36	60.00	3.20	58.00	462	368	480	455
4C X 400	53	53	2.00	0.70	4 x 0.8	2.68	66.50	3.60	65.50	600	418	680	530